



# VNP43 BRDF, Albedo, and NBAR products from Suomi-NPP



Crystal Schaaf<sup>1</sup>, Arthur Elmes<sup>1</sup>, Charlotte Levy<sup>1</sup>, Angela Erb<sup>1</sup>, Zhuosen Wang<sup>2,3</sup>, Qingsong Sun<sup>2</sup>

<sup>1</sup> School for the Environment, University of Massachusetts Boston, <sup>2</sup> Terrestrial Information Systems Lab, NASA/GSFC, <sup>3</sup> Earth System Science Interdisciplinary Center, University of Maryland  
Fort Peck, MT SURFRAD Site

## Suomi-NPP VIIRS BRDF, Albedo, NBAR, Products - Collections 1 and 2

The VNP product also provides daily **BRDF** model parameters, **White Sky Albedo**, **Black Sky Albedo**, **NBAR** values (and **QA**) for the I-bands (500m), and the M-bands, broadbands, and Day-Night Band (1km). All VNP43 products and documentation are distributed by the LPDAAC.

Collection 2 was delayed due to aerosol flag issues in the reflectance inputs over arid bright surfaces. After extensive work by the land team, this has been corrected in C2. A new land water mask, with shallow waters, has also been implemented so that VNP43 albedos can now be obtained over shorelines, as with MCD43.

Gap-filled VNP43 products will also begin with C2.

Comparisons between MCD43 and VNP43 continue at spatially represented tower sites.

